



G. PULLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

NEWS LETTER

(Sponsored by G. Pulla Reddy Charities Trust, Hyderabad)

Nandyal Road, Kurnool - 518 007, Andhra Pradesh, India

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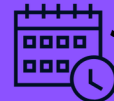
Affiliated to JNTUA, Anantapuramu.



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Sri. P. Subba Reddy
Chairman



Sri. B. Sreenivasa Reddy
Principal



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Editorial Board

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On **6 October 2023**, G. Pulla Reddy Engineering College organized a Space Walk from Kondareddy Fort to Raj Vihar Centre as part of the **World Space Week 2023** celebrations. The event aimed to create public awareness and inspire interest in space science and technology among students and the community.



On **24 December 2023**, the Silver Jubilee Alumni Reunion of the 1994-1998 Batch was held on the GPREC campus. The event brought together alumni to reconnect with their alma mater, relive cherished memories, and strengthen their bond with the institution.





On **15 July 2023**, GPREC alumni Mr. Gurucharan Reddy and Mr. Madhav visited the college and presented mementos on behalf of the North America Alumni Association to Sri P. Subba Reddy, Chairman of the College, Dr. B. Sreenivasa Reddy, Principal and Dr. Veerabhadra Reddy in recognition of their contributions to the institution.



On **12 July 2023**, faculty members of G. Pulla Reddy Engineering College conducted a training programme for government school teachers on the effective use of Interactive Flat Panels (IFPs) and the navigation of BYJU'S digital learning content to enhance classroom teaching and learning.

DEPARTMENT OF CIVIL ENGINEERING

1. Events conducted/ organized:

- The Department of CE organized an International Conference on *Generic and Pedagogical Research Evolutions in Civil engineering and it's allied sciences (GPREC) 2023* on 10th & 11th November 2023. The conference aimed to provide a dynamic platform for researchers, academicians, industry professionals, and scholars to explore and discuss the latest developments, emerging trends, and future directions in civil engineering and its allied sciences.
- The Department of CE conducted a Guest Lecture on Masonry Structures and Geopolymer concrete by Dr.Radha Krishna, Professor & HOD of Civil Engineering Department, R.V.College of Engineering, Bangalore, and Dr. N.P.Rajamane, Ex-CSIR-SERC, Founder and Former Head, Center for Advanced Concrete Research, SRMIST, Bangalore on 4th August, 2023.
- The Department of CE conducted a Guest Lecture on “Sustainable Development and the Role of Youth for Future Upkeeping” by Prof.K.Purushotham Reddy, Eminent Environmentalist & Academician, TECCEI, Hyderabad and Sri.A.Mallikarjuna Reddy A.E. CPWD, Hyderabad on 21st August, 2023.
- The Department of CE conducted a Guest Lecture on Mathematical Modelling and Real Life Problems by Dr. G. P. Raja Sekhar, Professor, Department of Mathematics, IIT Kharagpur on 28th December, 2023.

2. Skill Upgradation Activities:

a. FDP /Workshops /Conferences /Seminars Attended by Faculty:

S. No	Name of Faculty	Title of the Event	Host Institute	Period
1	Dr R Sushmitha	One Week FDP on Innovation in Construction and Green Building Materials	NITTTR-Chandigarh	07-08-2023 to 11-08-2023
2	Dr P Lakshmi Sruthi	One Week National FDP Program on Cloud Infrastructure (AWS)	G.P.R.E.C-Kurnool	21-08-2023 to 25-08-2023
3	P Eswanth	One Day Workshop Program on "Modern Day Bridges and Metro Structures	JNTUA	15-09-2023

4	J Sravani	One Day Workshop Program on "Modern Day Bridges and Metro Structures	JNTUA	15-09-2023
5	Dr.B.J.S.Varaprasad	Two Days Workshop on Sustainable Wastewater Management: The Role of Advanced Treatment and Sensing Technologies	IIT – Tirupati	01-12-2023 to 02-12-2023
6	Dr. E. Sanjeeva Rayudu	Two Days Workshop on Sustainable Wastewater Management: The Role of Advanced Treatment and Sensing Technologies	IIT – Tirupati	01-12-2023 to 02-12-2023
7	Dr.B.J.S.Varaprasad	Two Weeks GIAN Course on Advances in Hydrological Monitoring of Watersheds	NIT-Warangal	11-12-2023 to 22-12-2023
8	G. Nagesh Kumar	A One Week FDP on UHV -II	JNTU-Pulivendula	12-12-2023 to 16-12-2023
9	C Bala Sai	A One Week FDP on UHV -II	JNTU-Pulivendula	12-12-2023 to 16-12-2023
10	J Sravani	A One Week FDP on UHV -II	JNTU-Pulivendula	12-12-2023 to 16-12-2023

b. NPTEL/NITTT/Other Certification course Completed by Faculty:

NPTEL Course				
S. No	Name of Faculty	Name of The Course	Duration	Period (Month - Month, Year)
1	Dr. E. Sanjeeva Rayudu	Advanced Geomatics Engineering	12 Week	July-Oct 2023
2	G. Nagesh Kumar	Advanced Geomatics Engineering	12 Week	July-Oct 2023
3	P Eswanth	Admixtures and Special Concretes	12 Week	July-Oct 2023
4	P Eswanth	Design of Reinforced Concrete Structures	12 Week	July-Oct 2023

3. Faculty Publications:

Journals					
S. No	Author	Title	Name of the Journal	Indexing	Month, Year
1	Dr.R.Sushmitha	Influence Of Sight Distance Characteristics On Safety Of Intersections Using Surrogate Safety Measures	Suranaree Journal Of Science and Technology	Scopus	August 2023
2	Dr.R.Sushmitha	Level Of Service Analysis Of Pedestrian Crossing Facilities At Signalized Intersections Under Heterogeneous Traffic Conditions	Suranaree Journal Of Science And Technology	Scopus	August 2023
3	Dr. E. Sanjeeva Rayudu	Oblique wave trapping by periodic array of two-layer pile rock breakwaters placed on uneven seabed	Coastal Engineering Journal	SCI	November 2023
4	Dr.R.Sushmitha	Quantification Of Congestion And Level Of Service Determination For Urban Road Infrastructure	IOP Conf. Series: Earth and Environmental Science	Scopus	December 2023
5	J Sravani	Influence of GGBFS and Silica Fume on the Properties of High-Strength Self-Compacting Concrete	IOP Conf. Series: Earth and Environmental Science	Scopus	December 2023
6	Dr. E. Sanjeeva Rayudu	Hydrodynamic Performance of an Array of Stratified Pile Rock Breakwaters Placed on Elevated Seabed	Journal of Offshore Mechanics and Arctic Engineering	SCI	December 2023

Book Chapters					
S. No	Author	Title	Name of the book	Publisher	Month, Year
1	Dr. R. Sushmitha	Study on Use of Waste Plastic Bottles in Concrete Mix as Partial Replacement of Coarse Aggregate	5th International Anatolian Scientific Research Congress	IKSAD Publications	August 2023
2	Dr. E. Sanjeeva Rayudu	A Study on Removal of Fluoride From Water using Coconut Fibre and Sugar Bagasse Ash	5th International Dicle Scientific Research and Innovation Congress	IKSAD Publishing House	September 2023
3	Dr. R. Sushmitha	Comparison of the Engineering Properties of DGB Mixes with Coal Ash using Natural Fibers	Asia Pacific 8th International Modern Sciences Congress	IKSAD Publications	October 2023
4	Dr. R. Sushmitha	A Study on Engineering Properties of Dense Grade Bituminous Mixes with Coal Ash by using Natural Fiber	Asia Pacific 8th International Modern Sciences Congress	IKSAD Publications	October 2023

4. Faculty Achievements:

- Dr. Sowjanya, Assistant Professor was awarded his **Doctor of Philosophy (Ph.D)** degree on the topic “**Evaluation of Driver behavior and Safety at Urban Mid-Block Sections under Mixed Traffic Conditions**” from National Institute of Technology, Tiruchirappalli on 24-07-2024.
- Dr.R.Sushmitha, Assistant Professor received the **Best Paper Award** for the paper entitled Comparative study of emulsified oil Remover from Aqueous solution using Palmyra Palm Leaf & Palmyra Palm Nuts as Adsorbents at Third International Conference on New Frontiers in Chemical, Energy & Environmental Engineering during 24-25 November 2023 at NIT Warangal.

5. New faculty Recruited:

S.No	Name of the Faculty	Designation	Qualification	Photo
1	Sri. M. Hemanth Kumar	Assistant Professor	M.Tech	

2	Ms. N.G. Kalyani	Assistant Professor	M.Tech	
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6. Up gradation of Lab Equipment: (give details along with photographs)

For the Transportation Engineering Laboratory, under the supervision of Smt. Sowjanya, Lab In-charge, the following equipment were procured.

1. Ductility Testing Machine was procured on 29th July 2023 at a cost of Rs. 78,612/-
2. Ring and ball apparatus was procured on 29th July 2023 at a cost of Rs. 34,010/-
3. Merlin apparatus was procured on 29th July 2023 at a cost of Rs. 24,007/-
4. Marshall Stability testing machine upgraded with digital indicator was procured on 29th July 2023 at a cost of Rs. 79,420/-
5. Hot plate was procured on 29th July 2023 at a cost of Rs. 12,122/-



Ductility Testing Machine



Ring and Ball Apparatus



Merlin



Marshall Stability upgrade with digital indicator



Hot Plate

1. Student Achievements:

1.A Pavan (Roll No: 209x1a0116), G Lakshmi Narasimha Reddy (Roll No: 209x1a0133), T Pavan Kalyan (Roll No: 209x1a0196) of III B.Tech attended the Summer Internship at IIT Mandi from 17-06-2023 to 31-07-2023 during the Academic Year 2022-23.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

1. Events conducted/ organized:

1. The Department of CSE organized a five days online FDP on Machine Learning and its Applications from 10-07-2023 to 14-07-2023.
2. The Department of CSE organized a Seminar on “Full Stack Development with React” in December 2023

2. Skill Upgradation Activities:

a. FDP /Workshops /Conferences /Seminars Attended by Faculty:

S. No	Name of Faculty	Title of the Event	Host Institute	Period
1	Dr N KasiViswanath	A workshop on Artificial Intelligence	HRD	10-07-2023 to 24-07-2023
2	L Sudharani	A five days FDP on Deep Learning for NLP & Computer Vision	CBIT in collaboration with ExcelR	10-07-2023 to 14-07-2023
3	P. Srilakshmi	A five days FDP on Deep Learning for NLP & Computer Vision	CBIT in collaboration with ExcelR	10-07-2023 to 14-07-2023
4	M Shashidhar	A five days FDP on Deep Learning for NLP & Computer Vision	CBIT in collaboration with ExcelR	10-07-2023 to 14-07-2023
5	K Gayathri	A five days FDP on Deep Learning for NLP & Computer Vision	CBIT in collaboration with ExcelR	10-07-2023 to 14-07-2023
6	D.L.N.Prasunna	A five days workshop on Bootcamp on Drone Technology	G Pulla Reddy Engineering College.	10-07-2023 to 14-07-2023
7	P. Srilakshmi	A one day seminar on Oracle Cloud Applications-Human Capital Management	G Pulla Reddy Engineering College.	27-07-2023
8	M Dhanalakshmi	A one day seminar on Oracle Cloud Applications-Human Capital Management	G Pulla Reddy Engineering College	27-07-2023

9	P.Praveen Yadav	A five days Training on “Cyber Security & SIEM”	SRM University Chennai conducted by IBM	31-07-2023 to 04-08-2023
10	L.Sudha Rani	A five days FDP on AI/ML	G Pulla Reddy Engineering College.	31-07-2023 to 04-08-2023
11	T Swathi	A five days FDP on AI/ML	G Pulla Reddy Engineering College.	31-07-2023 to 04-08-2023
12	P.Sreedevi	A five days FDP on AI/ML	G Pulla Reddy Engineering College.	31-07-2023 to 04-08-2023
13	P Srilakshmi	A five days FDP on AI/ML	G Pulla Reddy Engineering College.	31-07-2023 to 04-08-2023
14	Y Supriya Reddy	A five days FDP on AI/ML	G Pulla Reddy Engineering College.	31-07-2023 to 04-08-2023
15	D. Sowmya	A five days FDP on AI/ML	G Pulla Reddy Engineering College.	31-07-2023 to 04-08-2023
16	K.Gayathri	A five days FDP on AI/ML	G Pulla Reddy Engineering College.	31-07-2023 to 04-08-2023
17	C Ratna Prabha	A five days FDP on AI/ML	G Pulla Reddy Engineering College.	31-07-2023 to 04-08-2023
18	M Shashidhar	A five days FDP on AI/ML	G Pulla Reddy Engineering College.	31-07-2023 to 04-08-2023
19	M Dhanalakshmi	A five days FDP on AI/ML	G Pulla Reddy Engineering College.	31-07-2023 to 04-08-2023

20	M.Shashidhar	A training program on Deep Learning for NLP & Computer Vision	CBIT in collaboration with ExcelR	07-08-2023 to 26-07-2026
21	T. Swathi	A workshop on Drone Technology	EDALL systems, Bangalore	10-10-2023 to 18-10-2023
22	L Sudharani	A workshop on Drone Technology	EDALL systems, Bangalore	10-10-2023 to 18-10-2023
23	P.Sreedevi	A workshop on Drone Technology	EDALL systems, Bangalore	10-10-2023 to 18-10-2023
24	D L N Prasunna	A workshop on Drone Technology	EDALL systems, Bangalore	10-10-2023 to 18-10-2023
25	Dr.Penchala Prasad	A five days Training on Cloud Computing	Wipro Talent Next	16-10-2023 to 20-10-2023
26	L Sudharani	A five days Training on Cloud Computing	Wipro Talent Next	16-10-2023 to 20-10-2023
27	Dr. N. Kasiviswanath	A five days FDP on Computer Vision and Artificial Intelligence	APSSDC in Collaboration with ExcelR Edtech Pvt. Ltd	23-10-2023 to 27-10-2023
28	R.Sandeep Kumar	A five days FDP on Virtual Labs(VLABS)	PALS-VLABS(An MoE Govt of India Initiative)	30-10-2023 to 03-11-2023
29	C.Ratna Prabha	A five days FDP on Data Science for Business	VIIT Pune	30-10-2023 to 03-11-2023
30	M Dhanalakshmi	A five days FDP on UNIVERSAL HUMAN VALUES - II	JNTUA, Pulivendula	30-10-2023 to 03-11-2023
31	B Swathi	A five days FDP on Emerging Trends in Data Analytics	RGM Engineering College	06-11-2023 to 10-11-2023
32	K Sirisha	A five days FDP on Emerging Trends in Data Analytics	RGM Engineering College	06-11-2023 to 10-11-2023

b. NPTEL/NITTT/Other Certification course Completed by Faculty:

NPTEL Course				
S. No	Name of Faculty	Name of The Course	Duration	Period (Month - Month, Year)
1	R.Sandeep Kumar	NPTEL E- Awareness	8 Weeks	June - August, 2023
2	Dr.N.KasiViswanath	Accreditation and Outcome Based Learning	8 Weeks	September - November 2023
3	R.Sandeep Kumar	Deep Learning	8 Weeks	September - November 2023
4	V Mallesi	Research Methodology	8 Weeks	September - November 2023
5	V Mallesi	Intellectual Property Rights	8 Weeks	September - November 2023
6	V Mallesi	Fundamentals of AI	8 Weeks	September - November 2023
NITTR Courses				
1	M Dhanalakshmi	A five days FDP on AI/ML	5 Days	16-10-2023 to 20-10-2023
Others(Infosys Springboard)				
1	J.Swami Naik	Exploratory Data Analysis	3 Weeks	August, 2023
2	J.Swami Naik	Probability and Statistics using Python	5 Weeks	July- August 2023
3	J.Swami Naik	Python for Data Science	4 Weeks	August 2023
4	P.Sreedevi	Machine Learning Fundamentals	4 Weeks	September 2023
5	P Srilakshmi	Machine Learning Fundamentals	4 Weeks	September 2023
6	Y Supriya Reddy	Machine Learning Fundamentals	4 Weeks	September 2023
7	P.Sreedevi	Angular Developer Program	4 Weeks	October 2023
8	P Srilakshmi	Angular Developer Program	4 Weeks	October 2023
9	Y Supriya Reddy	Angular Developer Program	4 Weeks	October 2023

3. Faculty Publications:

Journals					
S. No	Author	Title	Name of the Journal	Indexing	Month, Year
1	P.Srilakshmi	Novel Frame Work for Block chain Based Voting application Using Ethereum Virtual Machine	IJRITCC	Scopus	August 2023
2	R Sandeep Kumar	A Comarative Analysis of Community Detection Agglomerative Technique Algorithms and Metrics on citation Network	Annals of Emerging Technologies in Computing	Scopus	October 2023
3	P Praveen Yadav B Santhosh Kumar M.Raghavendra Reddy	Optimization for the Identification of Surface Defects in Solar Cells	Journal of Propulsion Technology	Scopus	November 2023
Conferences					
S. No	Author	Title	Name of the Conference	Month, Year	
1.	M.Dhanalakshmi	Disruputing and Communication Systems	Conference	August, 2023	
2	R.Sandeep Kumar	Fashion Recommendation System using Machine Learning	IEEE Conference on Smart Electronics and Communication	October 2023	
3	B.Thimma Reddy	Model Agnostic Forest DenseNet Approach for Brain Tumour Detection	International Conference on Advances in Computational Intelligence and Informatics (ICACII- 2023)	December 2023	
4	T.Swathi P.Srilakshmi	Exploring the Synergy of Machine Learning and Blockchain in the Education Sector	3 rd International Conference on Smart Generation Computing, Communication and Networking	December 2023	

4. Faculty Achievements:

- Dr.N.Kasiviswanath of CSE Department, G Pulla Reddy Engineering College under his supervision M.Padma awarded Ph.D Degree from Rayalaseema University on 28th july 2023.
- S.Aarthi of CSE Department, G Pulla Reddy Engineering College was awarded Ph.D Degree from JNTUA on 19th august 2023.
- P.Sreedevi of CSE Department, G Pulla Reddy Engineering College was awarded Ph.D Degree from K.L University on 28th October 2023.
- One Ph.D scholar A.Vineela has awarded PhD degree on 18th December 2023 by JNTUA under my supervision of G.Pulla Reddy Engineering College Dr. N. Kasiviswanath Professor & HOD of CSE Department, G Pulla Reddy Engineering College.

5. New faculty Recruited:

S.No	Name of the Faculty	Designation	Qualification	Photo
1	Sri V Mallesi	Assistant Professor	M.Tech(Ph.D)	

1. Student Achievements:

- K.Naga Himaja(209X1A0566) of IV CSE, G Pulla Reddy Engineering College got an internship in Amazon as Software Development Engineer-Intern with a stipend of Rs.1,10,000 per month for six months from January to July 2024.
- C.Poornesh and G.Nomika of IV year CSE of G.Pulla Reddy Engineering College has participated and won 1st prize in IBM Hack Challenge conducted by IBM in the month of October 2023.
- B.Sumanth Kumar,S.Sujath Kaif,M.Abraar Ali Khan and Y.Parashuram of IV year CSE of G.Pulla Reddy Engineering College has participated and won 2nd prize in IBM Hack Challenge conducted by IBM in the month of October 2023.
- B.Akhila of II year CSE of G.Pulla Reddy Engineering College has participated and won 3rd prize in English Club Debate conducted GPREC in the month of November 2023

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

1. Events conducted/ organized:

1. The department of ECE in association with IEEE Student Branch Communication Society (IEEECOMSOC) has a Five Day National Level Workshop on “Silicon to System Design” from 18th to 23rd August 2023 at GPREC, Kurnool.
2. The department of ECE has organized a Two Day Online Guest Lecture on “Structural Health Monitoring using IoT”, with Dr. Abhinandan Prateek being the resource person on the dates, 1st and 2nd September 2023. A total of 57 faculty members and research scholars have participated.
3. Dr. D R Srinivas, Dr. S M ShamsheerDaula, Smt W Yasmeen, Smt G Divya Praneetha conducted A Two Day Session on Essence of Engineering in IoT and Robotics under AICTE guided Two Week Induction Programme for First Year Students at PREC(A), Kurnool on 12 & 13 September 2023.
4. The department of ECE has conducted a Five Day In-house training on Python Programming for the faculty from 30th October to 03rd November 2023.
5. The department of ECE has conducted a Five Day In-house training on IoT and Embedded Systems for the faculty from 04th to 09th November 2023.
6. The department of ECE has conducted a Five Day In-house training on Digital VLSI Design for the faculty from 10th to 16th November 2023.
7. The department of ECE has conducted a Two Week In-house training on PCB Design and Manufacturing for the technical staff from 06th to 16th November 2023.
8. Smt G DivyaPraneetha, Smt. D Rohini organized A Five day Technical Fest "VYGNAAN" 2K23IEEE student branch, at GPREC(A)Kurnool 14 to 19 December 2023.

2. Skill Upgradation Activities:

(*fill the event in ascending order of date i.e., oldest first newest later, ** for same date of event senior name first)

a. FDP /Workshops /Conferences /Seminars Attended by Faculty:

S. No	Name of Faculty	Title of the Event	Host Institute	Period
1	Dr. S.M Shamsheer Daula,	International Conference on Education	The National University of Singapore Society (NUSS).	21-11-2023 to 22-11-2023

b. NPTEL/NITTT/Other Certification course Completed by Faculty:

S.No	Name of the faculty	Name of the Course passed	Course offered by (agency)	Period & Grade Obtained if any
1.	Dr. S. Saheb Basha	A 12 Week NPTEL course on Introduction to Machine Learning	IIT, Madras	July to October 2023
2.	Dr. S.M. Shamsheer Daula	A 12 Week Swayam NPTEL course on Joy of Computing With Python	IIT, Madras	July to October 2023
3.	Smt K Udaya Kiran	A 12 Week NPTEL course on Introduction to Machine Learning	IIT, Kharaghpur	July - September 2023
4.	Sri B Siva Reddy	Simulation of Communication Systems Using Matlab(12-Weeks)	IIT, Guwahati	July- October 2023
5.	Sri B Siva Reddy	Digital System Design(12-Weeks)	IIT, Madras	January- April 2024
6.	Sri T Sarath Babu	A 12 Week AICTE Swayam NPTEL course on NBA Accreditation and Teaching and Learning in Engineering (NATE)	IISC,Bangalore	January- April 2024
7.	Sri T Sarath Babu	Computer Networks and Internet Protocol	IIT Kharaghpur	January- April 2024
8.	Dr.T.Swati	A 12 Week AICTE Swayam NPTEL course on NBA Accreditation and Teaching and Learning in Engineering (NATE)	IISC,Bangalore	January- April 2024

9.	Dr.T.Swati	Optical Wireless Communications for Beyond 5G Networks and IoT	Indraprasta Institute of Information Techenology-Delhi(IITD)	January- April 2024
10.	Smt W Yasmeen	A 12 Week AICTE Swayam NPTEL course on NBA Accreditation and Teaching and Learning in Engineering (NATE)	IISC,Bangalore	January- April 2024
11.	Smt G Divya Praneetha	A 12 Week AICTE Swayam NPTEL course on NBA Accreditation and Teaching and Learning in Engineering (NATE)	IISC,Bangalore	January- April 2024
12.	Sri A V Subba Reddy	A 12 Week AICTE NPTEL Course on Deep Learning	IIT, Madras	July - October 2023
13.	Sri A V Subba Reddy	A 4 Week AICTE NPTEL Course on Python for Data Science	IIT, Madras	July - August 2023
14.	Smt A Parvathi	A 12 Week NPTEL course on VLSI DESIGN FLOW:RTL TO GDS	IIT, Delhi	July- October 2023
15.	Smt A Parvathi	A 8 week NPTEL course on Research Methodology	IIT Madras	August - October 2023
16.	Smt K Lakshmi Devi	A 12 Week NPTEL course on Digital Circuits	IIT Kharaghpur	July – October 2003 2023

Faculty Publications:

Journals					
S.No	Name of the Faculty	Title of the Paper	Name of the Journal	ISSN and Month/Year of Publication	Indexing
1.	Dr K Suresh Reddy	Performance comparison of TOA-based indoor positioning algorithms using ultra- wideband technology in 3D	International Journal of Wireless and Mobile Computing	DOI: 10.1504/IJWMC. 2023.134659, November 2023	Scopus
2.	Dr. S.M. Shamsheer Daula, Dr G Amjad Khan, Dr G Ramesh, Sri M Madhusudhan Reddy	Investigation of Distributed Embedded System Frameworks	International Journal For Innovative Engineering and Management Research	ISSN 2456-5083, October 2023	UGC
3.	J. Salai Thillai Thilagam, P.C.Praveenkumar, Dr.Shaik Saheb Basha, L.L.Prasanna kumar	Design of Compact Monopole Microstrip Antenna and Testing with pocket Network Analyzer	Journal for Basic Sciences	1006-8341, November 2023	Scopus
4.	Dr.G.Amjad Khan,Dr.S.Saheb Basha,Dr.P.Abdul Khayum	Artificial Intelligence Based Medical Image Processing for Diabetic Retinopathy Detection	Tuijin Jishu/Journal of Propulsion Technology	October 2023	Scopus

5.	J.Salaithillai hilagam, P.C.Praveen Kumar, L.L.Prasanna Kumar,	Microstrip patch antenna design and analysis for S- band Communications	Gradiva Review Journal (GRJ)	2023 ISSN 0363 8057	Scopus
6.	J. Salai Thillai Thilagam, P.C.Praveenk umar, Dr.G.V.R.Sa gar, L.L.Prasanna kumar	Scope_Implementation of 180° Hybrid Ring Coupler Design in Microstrip with	Scope journal	ISSN 1177- 5661, August 2023	Scopus
7.	Dr. GVR Sagar	Brain tumor classification based on deep CNN and modified butterfly optimization algorithm	Computer Methods In Biomechanics And Biomedical Engineering: Imaging & Visualization	ISSN 2541- 6124, August 2023	SCI
8.	Dr R Sudheer Babu Dr G V R Sagar	Time and Statistical complexity of proposed evolutionary algorithm in Artificial Neural Networks	Journal of Pak Heart	ISSN 0048:2706, November 2023	Scopus
9.	Sri L Lakshmi Prasanna Kumar	MIMO- NOMA for successive Interference cancellation in 5G using deep learning appraoch	Journal of data Acquisition and Processing	ISSN 1004-9017, July 2023	Scopus
10.	Sri K Raju	“An Automatic Movable Platform for Railway Applications”	Journal of Advancement of Signal Processing and its Applications	DOI: https://doi.org/10.5281/zenodo.8314213 2023	Refereed

11.	Sri K Raju	An Integrated IOT System for Car Parking And Billing	Journal of Advancement in Electronics Design	DOI: https://doi.org/10.5281/zenodo.8314192 2023	Refereed
12.	Sri K Raju	Air Pollution Monitoring Using IOT Based Wireless Sensor Network	Journal of Optoelectronics and Communication	.DOI: https://doi.org/10.5281/zenodo.8288721 2023	Refereed
13.	Sri K Raju	RFID Based Smart Home Security	Journal of VLSI Design and its Advancement	DOI: https://doi.org/10.5281/zenodo.8337898 2023	Refereed
14.	Sri K Raju	Soil Moisture Sensor and Temperature Sensor Based Automatic Irrigation System	Journal of Optoelectronics and Communication	DOI: https://doi.org/10.5281/zenodo.8289031 2023	Refereed
15.	Smt W Yasmeen Dr S Vyshali Smt T Swathi	High Efficiency Dual Axis Solar Tracking System	Journal of Advanced Engineering Science	ISSN : 2006-3246, December 2023	Scopus
Conferences					
16.	Dr K Suresh Reddy	Power Management Mechanism to the adoption of Internet of Things(IoT) in Constrction 4.0	A Two Day International conference on Generic and Pedagogical Research Evolutions in Civil engineering and its	Organized by Department of Civil Engineering, GPREC (A) Kurnool allied sciences(IC-GPREC_2023) in association with IFERP	10th and 11th November 2023

17.	Dr. S.M. Shamsheer Daula	Performance Analysis of Priority Based Memory Balancing Techniques in IoT Using Machine Learning	EduCon Singapore – International Conference on Education,	The National University of Singapore Society (NUSS),	21-22 November 2023
18.	Dr. S.M. Shamsheer Daula, Dr G Amjad Khan, Dr G Ramesh, Sri Madhusudhan Reddy	IoT Based Testing for Structure Curing Analysis using Wireless Sensor Network	A Two Day International conference on Generic and Pedagogical Research Evolutions in Civil engineering and its allied sciences(IC-GPREC_2023) in association with IFERP	Organized by Department of Civil Engineering, GPREC (A) Kurnool	10th and 11th November 2023
19.	Dr. S.M. Shamsheer Daula, Dr G Amjad Khan, Dr G Ramesh, Sri Madhusudhan Reddy	A Review on AI based Scaffold Architecture Network in Embedded System Design	International Conference on Integrating AI,Spiruatility, Health Care & Management For Sustainable Well Being	Organized by Amity Institute of Information Technology, Amity University Lucknow	25th and 26th September 2023
20.	Dr G Amjad Khan, Dr. R Sudheer Babu, Dr G Ramesh, Sri Madhusudhan Reddy	Classification of IRIS Data Set Using Supervised Machine Learning Algorithm	International Conference on Integrating AI,Spiruatility, Health Care & Management For Sustainable Well Being	Organized by Amity Institute of Information Technology, Amity University Lucknow	25th and 26th September 2023
21.	Dr. G.Amjad Khan	Iris Flower Classification using using Supervised Machine Learning Algorithm Models.	A Two Day International conference on Generic and Pedagogical Research Evolutions in Civil engineering and its allied sciences(IC GPREC_2023) in association with IFERP -	Organized by Department of Civil Engineering, GPREC (A) Kurnool	10th and 11th November 2023

22.	Smt T Swathi,, Dr S Siva Reddy, Smt. W.Yasmeen	Detection of Remote Objects Detection Through Drone Surveillance using YOLO-VB	A Two Day International conference on Generic and Pedagogical Research Evolutions in Civil engineering and its allied sciences(IC-GPREC_2023) in association with IFERP	Organized by Department of Civil Engineering, GPREC (A) Kurnool	10th and 11th November 2023
23.	J.Salai Thillai Thilagam, M.V.R.Vittal, P.C.Praveen Kumar, S.Siva Reddy, LLPrasannakumar	Overview of 5G Antenna and Vector Network Analyzer Systems for Communication Systems" - PAPER ID: ICICT-749	International Conference on Inventive Computation Technologies, scheduled to be held inLalitpur, Nepal, from April 24th to April 26th, 2024.	International Conference on Inventive Computation Technologies, scheduled to be held in Lalitpur, Nepal, from April 24th to April 26th, 2024.	24th to 26th April 2024
24.	Dr A Sowjanya	Design and Implementation of PCB Mounted Internal Antenna Verification Using Vector Network Analyzer	BiLSEL International Harput Scientific Researches Congress	Organized by BiLSEL Congress	25 th and 26 th November 2023
25.	Dr A Sowjanya, Dr P C Praveen Kumar, Smt G Divya Praneetha	Microstrip Coupled EC-Shaped Resonator – Based Bandpass Filter for Upper Microwave Flexible Use Services	A Two Day International conference on Generic and Pedagogical Research Evolutions in Civil engineering and its allied sciences(IC-GPREC_2023) in association with IFERP	Organized by Department of Civil Engineering, GPREC (A) Kurnool	10th and 11th November 2023

3. Faculty Achievements:

1. Dr. S.M Shamsheer Daula, Associate Professor of ECE, was awarded with “Best Paper Presenter Certificate” for presenting a paper on " Performance Analysis of Priority Based Memory Balancing Techniques in IoT Using Machine Learning", at EduCon Singapore – International Conference on Education, 21-22 November 2023, held at The National University of Singapore Society (NUSS), Singapore.
2. Dr. S.M Shamsheer Daula, Associate Professor of ECE department, was awarded with Dr. Sarvepalli Radhakrishnan Best Teacher Award by Society for Learning Technologies (established by Acharya Nagarjuna and Krishna University) at Vijayawada on 3rd September 2023.
3. Dr S Nagaraja Rao, Professor and Head of ECE Department, successfully lead the completion of Doctoral Degree for Four PhD Research Scholars, under his guidance, Mrs Rama Kumari, Mrs. Muni Praveena, Mrs. M. Jaya Lakshmi, Mrs. Annapurna, from JNTUA, Ananthapuramu during the month of August and September 2023.
4. Sri M. Madhusudhan Reddy was awarded with PhD in November 2023, from JS University, Uttar Pradesh.
5. Smt A Sowjanya, was awarded with PhD in August 2023, from NIT Warangal.

4. Papers Presented by Students:

<u>S.No.</u>	<u>Name of the Student</u>	<u>Title of the Paper</u>	<u>Name of the Conference /Seminar</u>	<u>Venue (Organizing Institution)</u>	<u>Period</u>
<u>1</u>	K.Jithendra kumar Reddy (Roll No-209X1A0490)	“Predictive analysis and Optimization of Library book borrowing using Machine Learning”,	International Journal of Novel Research & Development (IJNRD	Vol.8, No.9, pp.543-546 (ISSN:2456-4184).	, September, 2023

5. Student Achievements:

1. D.Chandrika (Roll No-199X1A0419) of 2019-2023 ECE batch secured admission in M.Tech (Microelectronics & VLSI) course at IISC, Bangalore in the month of July 2023 through GATE-2023 examination
2. K.Kesava Reddy (Roll No-219X1A04C8) of III year ECE has successfully completed the “Think Create Engineer” program and the mini project titled “Standard to Smart doors” conducted by PALS at IIT, Madras campus from 12th to 14th December, 2023.
3. G.Lakshmi Deepak Choudari (Roll No- 209X1A04H3) of IV year ECE has been recognized for his outstanding dedication and commitment to the IEEE Women in Engineering Social Innovation Camp held from 4th to 5th November, 2023 at KPR institute of Engineering and Technology, Coimbatore in association with IEEE R10 Women in Engineering.
4. G.Lakshmi Deepak Choudari (Roll No- 209X1A04H3) of IV year ECE has proactively volunteered for the successful completion of IEEE YESIST12 Grand finale held from 2nd to 3rd September, 2023 at Arab Academy for Science, Technology & Maritime Transport, Egypt.

DEPARTMENT OF EMERGING TECHNOLOGIES IN COMPUTER SCIENCE

1. Events conducted/ organized:

1. Department of ECS, GPREC (Autonomous), Kurnool has organized one day workshop on “Academic Interface Program” on 18-1-2023, in collaboration with Tata Consultancy Services.
2. Department of ECS , GPREC (Autonomous), Kurnool has organized one week National level FDP on Cloud Infrastructure (AWS) in Association with Braino O Vision from 21-08-2023 To 25-08-2023.
3. Department of ECS , GPREC (Autonomous), Kurnool Department of ECS , GPREC (Autonomous), Kurnool one week National level FDP on Cloud Infrastructure (AWS) in Association with Braino O Vision from 21-08-2023 to 25-08-2023.
4. Department of ECS, GPREC (Autonomous), Kurnool has Organized a one week online International level FDP on “Introduction to Artificial Intelligence” during 9 th October to 14th October 2023, organized by Department of ECS & EEE, GPREC in association NI Lab View Academy of GPREC.
5. Department of ECS, GPREC (Autonomous), Kurnool has Organized a one week online FDP on “UAV Technologies and its Applications” during 10 th October 2023 to 18 th October 2023.
6. Department of ECS, GPREC (Autonomous), Kurnool has Organized a one day workshop on “ AI for students: Build your own Generative AI model ” in collaboration with Nxtwave on 23rd December 2023.

a. FDP /Workshops /Conferences /Seminars Attended by Faculty:

S. No	Name of Faculty	Title of the Event	Host Institute	Period
1.	Dr. R. Praveen Sam	Online Refresher Course on "Artificial Intelligene"	JNTU, Hyderabad	10-07-2023 To 24-07-2023
		Accreditation and Outcome Based Learning	NPTEL	01-08-2023 To 30-10-2023
		“Statistical and Probability Insights for Data Science:Applications and Usecases”	Vardhaman College of Engineering,Hyderabad	06-11-2023 To 10-11-2023
		Deep Learning for NLP and Computer Vision	CBIT,Hyderabad	10-07-2023 To 28-07-2023
2.	Dr. K.Govardhan Reddy	Online Refresher Course on "Artificial Intelligene"	JNTU,Hyderabad	10-07-2023 To 24-07-2023
		Societal Applications of Machine Learning	S.V.E.C.W,Bhimavaram	24-07-2023 To

				28-07-2023
		Deep Learning for NLP and Computer Vision	CBIT, Hyderabad	10-07-2023 To 28-07-2023
		Machine Learning Algorithms and its Applications	GPREC	10-07-2023 To 14-07-2023
3.	Dr.Y.Rama Mohan	Machine Learning and its Applications	GPREC	10-07-2023 To 14-07-2023
4.	Sri. A.Vishnuvardhan Reddy	Deep Learning for NLP and Computer Vision	CBIT,Hyderabad	10-07-2023 To 28-07-2023
5.	Sri. K.Srikanth	Training Program on Cloud Computing	Wipro Limited	21-08-2023 To 25-08-2023
		Deep Learning for NLP and Computer Vision	CBIT,Hyderabad	10-07-2023 To 28-07-2023
		Machine Learning Algorithms and its Applications	GPREC	10-07-2023 To 14-07-2023
6.	Sri. P.N.V.S.Pavan Kumar	Universal Human Values -2 Face to Face Programme	AICTE at JNTUCEA Pulivendula campus, Pulivendula	12-12-2023 TO 16-12-2023
		Cloud Infrastructure (AWS)	Brain O Vision	21-08-2023 To 25-08-2023
		“Machine Learning”	Infosys Spring board.	25-07-2023 To 25-08-2023
7.	Smt. K.Asha Rani	Machine Learning and its Applications	GPREC	10-07-2023 To 14-07-2023
		AI/ML and Data Science for industry 4.0 (Basic Level)	NITTTR, Chandigarh	21-08-2023 To 25-08-2023
		DeepLearning	NITTTR, Chandigarh	11/09/2023 To 15/09/2023
		Datascience for Business	VIIT, Pune	04-09-2023 To 08-09-2023
		Introduction to Artificial Intelligence	GPREC	09-10-2023 To 14-10-2023
8.		GENAI and Metaverse	ATAL FDP	4-12-2023 TO

	Sri. S.Vinay Kumar			9-12-1023
		Deep Learning for NLP and Computer Vision	CBIT,Hyderabad	10-07-2023 To 28-07-2023
		Machine Learning and its Applications	GPREC	10-07-2023 To 14-07-2023
		Data Analyst	Andhra Pradesh State Skill Development Corporation (APSSDC)	19-7-2023 To 23-07-2023
9.	Sri. V. Suresh	Solar Energy and IoT	Dept. of CS,Govt Degree College	20-07-2023
		How to Build Powerful apps using Low code and Nocode Platforms	Cloud That	26-07-2023
		Future of Technology Entrepreneurship in India	Turnip Innovations	12-08-2023
		Deep Learning for NLP and Computer Vision	CBIT,Hyderabad	10-07-2023 To 28-07-2023
10.	Ms. O. Roopa Devi	Machine Learning Algorithms and its Applications	GPREC	10-07-2023 TO 14-07-2023
		Deep Learning for NLP and Computer Vision	CBIT,Hyderabad	10-07-2023 To 28-07-2023
11.	Smt. O. Sirisha	Emerging Trends in Data Analytics	R.G.M. College of Engineering in collaboration with FD Cell, JNTUA	11-12-2023 TO 15-12-2023
		Machine Learning and its Applications	GPREC	10-07-2023 To 14-07-2023
12.	Smt. S. Shashikala	Machine Learning and its Applications	GPREC	10-07-2023 To 14-07-2023
		“Statistical and Probability Insights for Data Science: Applications and Usecases”	Vardhaman College of Engineering, Hyderabad	06-11-2023 To 10-11-2023
		Introduction to Artificial Intelligence	GPREC	09-10-2023 To 14-10-2023
13.	Smt. G. Alekhya	Machine Learning and its Applications	GPREC	09-10-2023 To 14-10-2023
		Data Analyst	APSSDC	19-06-2023 To

				23-06-2023
		Introduction to Artificial Intelligence	GPREC	09-10-2023 To 14-10-2023
14.	Dr. K. Ashfaq Ahmed	Structural Health Monitoring using IOT	GPREC	01-09-2023 To 02-09-2023
		Machine Learning and its Applications	GPREC	09-10-2023 To 14-10-2023
		Cloud Infrastructure (AWS)	Brain O Vision	21-08-2023 To 25-08-2023
		Introduction to Artificial Intelligence	GPREC	09-10-2023 To 14-10-2023
15.	Smt. B.Varalaksmi	Emerging Trends in Data Analytics	R.G.M. College of Engineering in collaboration with FD Cell, JNTUA	11-12-2023 TO 15-12-2023
		"Basics of ML"	Great Learning	17-08-2023
		"Teaching with AI : Using ChatGPT"	SCROLLWELL	17-08-2023
		"IoT"	Pantech e-Learning from	12-07-2023
		Chat GPT & Generative AI	ExcELR	
		Machine Learning and its Applications	GPREC	09-10-2023 To 14-10-2023
		Introduction to Artificial Intelligence	GPREC	09-10-2023 To 14-10-2023
		"Statistical and Probability Insights for Data Science:Applications and Usecases"	Vardhaman College of Engineering,Hyder abad	06-11-2023 To 10-11-2023
16.	Smt.T.Chandana	Machine Learning Algorithms and its Applications	GPREC	09-10-2023 To 14-10-2023
17.	Smt. S. Shabana Begum	Master Class on Machine Learning	Pantech e Learning	01-09-2023 To 30-09-23
		Master Class on Amazon Web Services	Pantech e Learning	11-10-2023 To 31-10-23
18.		Introduction to Deep Learning	Great Learning	15-09-2023 To

	Sri. M. Mahesh Kumar			23-09-2023
		Smart English Basics for Professionals	Great Learning	03-09-2023 To
		“Statistical and Probability Insights for Data Science:Applications and Usecases”	Vardhaman College of Engineering,Hyderabad	06-11-2023 To 10-11-2023
		Introduction to Artificial Intelligence	GPREC	09-10-2023 To 14-10-2023
		"Research Methodology & IPR"	IIIT Ranchi	09-09-2023 To 13-09-2023
		Deep Learning	NITTTR Chandigarh	11-09-2023 To 15-09-2023
		"Structural Health Monitoring using IoT"	GPREC	01-09-2023 To 02-09-2023
		Cloud Infrastructure and AWS Technologies	GPREC	21-08-2023 To 25-08-2023
		NLP and ChatGPT APPLICATIONS	SECAB Institute of Engineering & Technology	14-08-2023 To 19-08-2023
		Deep Learning for NLP and Computer Vision	CBIT, Hyderabad	10-07-2023 To 28-07-2023
		Machine Learning Algorithms and its Applications	GPREC	10-07-2023 To 14-07-2023
19.	Ms. V. Jemima Jyothi	NLP and ChatGPT APPLICATIONS	SECAB Institute of Engineering & Technology	14-08-2023 To 19-08-2023
		Deep Learning for NLP and Computer Vision	CBIT, Hyderabad	10-07-2023 To 28-07-2023
		Machine Learning Algorithms and its Applications	GPREC	10-07-2023 To 14-07-2023
20.	Sri.P.Suresh Babu	URL Phishing Attack Detection	SRM(Ramapuram)	25-08-2023
		PALS Build-a-thon on Cyber security by IBM	SRM	31-07-2023 To 04-08-2023
		Deep Learning for NLP and Computer Vision	CBIT, Hyderabad	10-07-2023 To 28-07-2023

		Machine Learning Algorithms and its Applications	GPREC	10-07-2023 To 14-07-2023
21.	Sri. Syed Mohammed Nadeem	"Research Methodology & IPR"	IIIT Ranchi	09-09-2023 To 13-09-2023
22.	Smt.M.Manasa	Introduction to Machine Learning	NPTEL-AICTE	24-07-2023 TO 15-09-2023
		AI/ML and Data Science for industry 4.0 (Basic Level)	NITTTR, Chandigarh	21-08-2023 To 25-08-2023
		DeepLearning	NITTTR, Chandigarh	11/09/2023 To 15/09/2023
		Inculcating Universal Human Values in Technical Education	AICTE	11/10/2023 To 15/09/2024
		Introduction to Artificial Intelligence	GPREC	09-10-2023 To 14-10-2023
20.	Sri.P.Suresh Babu	URL Phishing Attack Detection	SRM(Ramapuram)	25-08-2023
		PALS Build-a-thon on Cyber security by IBM	SRM	31-07-2023 To 04-08-2023
		Deep Learning for NLP and Computer Vision	CBIT,Hyderabad	10-07-2023 To 28-07-2023
		Machine Learning Algorithms and its Applications	GPREC	10-07-2023 To 14-07-2023
21.	Sri. Syed Mohammed Nadeem	"Research Methodology & IPR"	IIIT Ranchi	09-09-2023 To 13-09-2023

2. Faculty Publications:

Journals					
S. No	Author	Title	Name of the Journal	Indexing	Month, Year
1	Dr R Praveen Sam	Sureness calamity salvage framework with inventive bandwidth scheme for data storage in cloud computing	Multimedia Tools and Applications	SCI-E	July 2023

2	Dr. K. Govardhan Reddy	Energy-aware mobile sink visiting nodes selection using a mean-shift clustering strategy for data accumulation in WSNs	Wireless Networks	SCI-E	August 2023
3	S. Shabana Begum	Cyber Security And Risk Management Safeguarding Organizations In The Digital Age	Journal of Advanced Zoology	Scopus	September 2023
Conferences					
S. No	Author	Title	Name of the Conference	Held at	Month, Year
1	S Vinay Kumar , V Suresh, G K Naga Raju	A Survey on Bigdata Analytics through Deeplearning in telecommunications	International/National Conference on Big Data, AI, or Communication Systems	VIT	11-11-2023 To 12-11-2023

3. Faculty Achievements:

1. Dr. R. Praveen sam, professor and HOD of ECS department have attended as **Jury Member/JUDGE** for a programe called "**TECHNOBRAIN - 2K23**", held by St. John's College of Engineering & Technology ,SJCET, on November 25th 2023.

2. Dr. R. Praveen Sam, Professor & HOD of ECS Department, G Pulla Reddy Engineering College was awarded with "University Best Teacher Award- 2023" by JNTUA in Engineering Category which was conducted at Ananthapuramu on 13 th December 2023.

4. New faculty Recruited:

S.No	Name of the Faculty	Designation	Qualification	Photo
1	Mr. Syed Mohammed Nadeem	Assistant Professor	M.Tech	

2	Smt. M. Manasa	Assistant Professor	M.Tech	
3	Smt. B.Kiranmayee	Assistant Professor	M.Tech	
4	G K NAGARAJU	Assistant Professor	M.Tech	
5	D.Sai Brunda	Assistant Professor	M.Tech	
6	Mr. Y Shiva kumar	Assistant Professor	M.Tech	

5. Up gradation of Lab Equipment:

S.No.	Machine Configuration	No of Work Machines
1	Lenovo Neo 50s Gen 3 Desktop (ThinkCentre) - Type 11SY Processor : 12th Generation Intel® Core™ i5-12400 Processor(Core™ i5-12400) Memory : 16 GB DDR4-3200 Operating System : Windows 11 Home 64 Hard Drive : 512GB SSD Machine Model : 11SYS0SV00 With UB Keyboard & Mouse, 19.5" LED Monitor(ThinkVision)	80
2	Delta UPS HPS Series, 20 kVA	1

Image of lab 3:

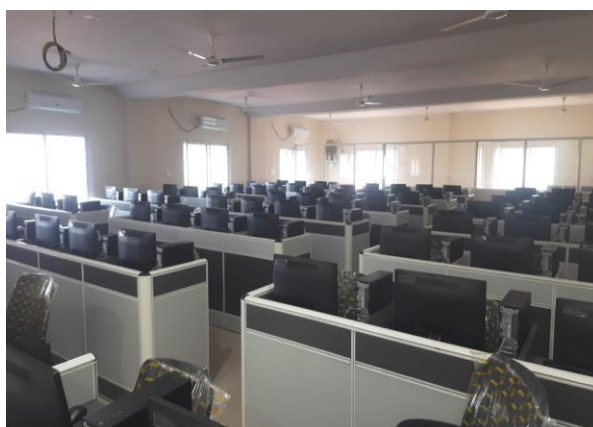


Image of lab 4:



Lab description: Total 160(80 in lab 3)+(80 in lab 4) computers were installed in both lab 3 and lab 4 with same configuration.

Inauguration Ceremony DeepMind's Innovation Lab(UAV Research Lab):

**Sponsored by GPREC Alumni-1987-91
(December 23, 2023)**

Key Highlights:

1. Event Overview:

The Principal of GPREC along with Training and Placement Head, HOD ECS, Eminent guests including three members from 1987-91 batch namely Mr. Srinavas Adiki, Mr. Venkata Ramana, Mr. Sateesh, amplifying the significance of this collaborative effort between GPREC alumni and GPREC.



The inauguration, held on December 23, 2023, radiated an atmosphere of innovation and collaboration as Mr. Srinivas Adiki, a distinguished GPREC alumnus, ceremoniously cut the ribbon, signifying the launch of the Deepminds Innovation Lab(UAV Research Lab).

The ribbon-cutting ceremony, a symbolic gesture by Mr. Srinivas Adiki, marked a significant milestone in our commitment to pioneering research in unmanned aerial vehicles (UAVs).

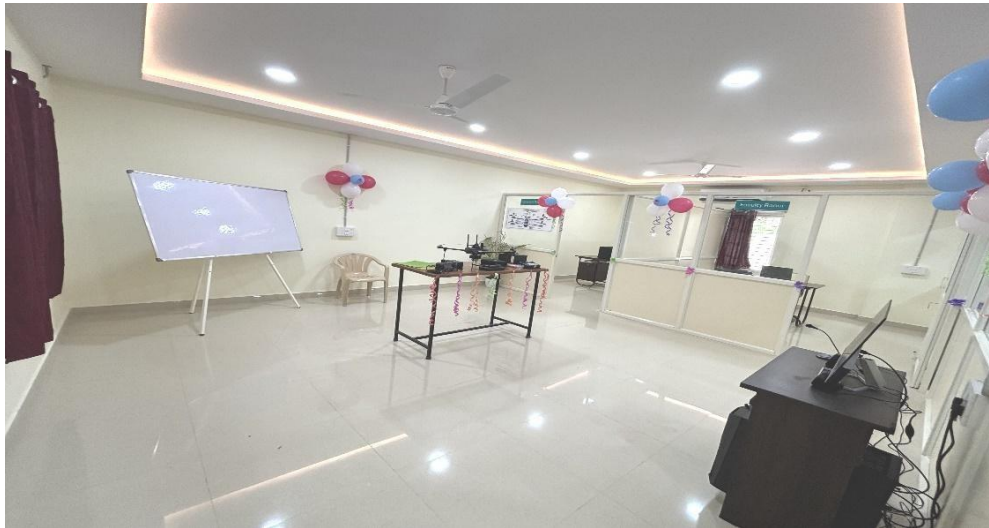
2. Alumni Sponsorship and Support:

The pivotal role played by the GPREC alumni in sponsoring and supporting the **establishment** of the UAV Research Lab highlights the enduring synergy between academia and industry in advancing UAV.



3. Lab Infrastructure and Specialized Facilities:

- The UAV Research Lab features cutting-edge infrastructure, housing advanced equipment, simulation environments.
- A WhiteHawk Basic with 20 MP Payload with maximum altitude of 120 meters and speed of 8 m/sec.
- A Dell Latop with intel® Core™ i7-13650HX 2.60 GHz , 6GB RAM, 4GB graphic card for outdoor assistance of Drone.
- A laptop with Intel® Core™ i5-11400F, 16GB RAM, 4GB graphic for indoor drone image processing through Agisoft



UAV Research Lab



WhiteHawk Basic with 20MP Payload

4. Research Focus and Collaborative Initiatives:

- ☐ The lab's core research thrust encompasses showcasing a commitment to unravelling diverse aspects of UAV technology fused with AI.
- ☐ Collaborative initiatives with industry partners, academic institutions, and pioneering startups are actively cultivated to create a fertile ground for groundbreaking UAV-related AI research.

5. Demonstration of WhiteHawk



6. Mr.P.Suresh Babu incharge of UAV Lab along with Mrs.B.Varalakshmi have demonstrated the whitehawk basic Drone .



WhiteHawk Drone Shot:

The inauguration of DeepMind's UAV Research Lab, made possible by the generous sponsorship of GPREC alumni, signifies a groundbreaking milestone in UAV technology. The success of this event, coupled with the enthusiastic response from attendees and collaborators, reaffirms our joint commitment to pushing the frontiers of technological innovation.

1. Student Achievements: 1. M Pavitra of III year CSM was felicitated by the Department of Youth Services, Nehru Yuva Kendra Sangathan (NYKS) for having many achievements in various activities from last youth day.





2. M. Pavitra, of III CSM has secured Second place in Dist. Level Elocution Competition held in the occasion of “Minorities Welfare Day & National Education Day” on 11th November 2023, by the Govt. of India.
3. M. Pavitra, of IV Sem CSM G.Pulla Reddy engineering college is Winner of debate competition on “The progress on sustainable development goals” as part of Model G20 Initiative held at the National Level on July2023.
4. M. Pavitra, of IV Sem CSM G.Pulla Reddy engineering college is secured Third place in Poster presentation contest competition as part of World space week-2023 on 6/10/2023.
5. N.Bhanu tejaswini, C.Keshava reddy, D.Bhavani , P.Varsha bala , of VIII Sem CSM G.Pulla Reddy engineering college is winners of IBM Hack Challenge 2023 on 13/10/2023





DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

1. Events conducted/ organized:

- Department of EEE, ECS & ECE in association with NI Lab VIEW Academy of G Pulla Reddy Engineering College has organized a One Week International Level Faculty Development Programme (Virtual Mode) on Introduction to Artificial Intelligence during 9th - 14th October 2023. Dr.M.Abid Nayeemuddin Associate Professor, EEE Department Convenor , Dr B.V.Arun Kumar and Sri K.Harish Reddy as Co-Convenors

2. Skill Up gradation Activities:

a. FDP /Workshops /Conferences /Seminars Attended by Faculty:

S.No	Name of Faculty	Title of the Event	Host Institute	Period
1	Dr.Abid Nayeemuddin	2 Days FDP on Power System Design & Analysis using DIgSILENT Power Factory Software	DIgSILENT GmbH, Germany in association with M/s DELLSOFT Technologies Pvt.Ltd.	03-07- 2023
2	Dr. G.Kishor Dr. M.Harshavardhan Reddy Dr.Abid Nayeemuddin Dr.C.Harinath Reddy Dr. G Sreenivasa Reddy Dr.B.V.Arun Kumar	one week National level online FDP on Recent Trends in Green Energy Initiatives and Soft Computing Techniques	Department of EEE MGIT, Hyderabad.	11-07-2023 to 15-07-2023.
3	Dr. K.Sri Gowri	NPTEL E-Awareness Workshop	NPTEL	18-08-2023
4	Smt B. Rajeswari	A Five day online STTP on Data Science for Business	Department of AI & DS, VIIT, Pune,	04-09-2023 to 08-09-2023
5	Dr. G Sreenivasa Reddy Dr. B.V.Arun Kumar	A Five day FDP on Design and Development of Power Converters for Electric Vehicles	Department of EEE, JNTUCEA, IEEE Anantapuramu sub section in association with Faculty Development Cell,	11 -09-2023 to 15 -09-2023

			JNTUA	
6	Dr.K.Sri Gowri, Dr.T.Bramhananda Reddy, Dr.Y.V.SivaReddy, Dr.G.Kishor, Dr.M.Sivasatya Narayana, Dr.N.Ravi Sankara Reddy, Dr.V.Anantha Lakshmi, Dr.M.Harshavardhan Reddy, Dr.AbidNayeemuddin, Dr.G.Satheesh, Dr.C.Harinath Reddy, Dr.B.Urmila, Dr.G.Sreenivasa Reddy, Dr.G.Venkata Subba Reddy, Sri. S.Anil Kumar, Sri.B.Amarnath Naidu, Smt.G.Haritha, Sri. M.Sreenivas Reddy, Sri. A.Pradeep Kumar Yadav, Smt.B.Rajeswari, Sri.Harish Reddy, Sri.K.NiteeshKumar, Sri.A.Vijay Kumar Reddy	One Week International Level FDP (Virtual Mode) on Introduction to Artificial Intelligence	G Pulla Reddy Engineering College	09 -10-2023 to 14-10-2023.
7	Sri.A.Vijaya Kumar Reddy	A FDP on Innovative Teaching and Learning Pedagogy	Research Foundation of India & RFI - CARE	26- 09-2023 to 30-09-2023
8	Dr.Abid Nayeemuddin Dr.C.Harinatha Reddy	A FDP on VIRTUAL LABS	PALS VLAB 2023-24 Initiative with NITK Surathkal	26- 09-2023 to 29-09-2023
9	Sri.K.Niteesh Kumar	GATE -JAM 2024 Training Programme	Indian Institute of Technology Madras.	27-09- 2023
10	Dr.B.V.Arun Kumar	Value Added Course on Compendium of Electric Vehicle Engineering	Center for Continuing Education & Dept of EEE, Sri Ramakrishna Engineering College	04-10-2023 to 06-10-2023
11	Sri.B.Amarnath Naidu, Sri.K.Harish Reddy, Sri.A.Vijaya Kumar Reddy	One Week Level Offline FDP on UAV Technologies in Computer Science and its Applications	Department of ECS in association with Edall systems	10-10-2023 to 18-10-2023

b. NPTEL/NITTT/Other Certification course Completed by Faculty:

NPTEL Course				
S.No	Name of Faculty	Name of The Course	Duration	Period (Month - Month, Year)
1	Dr.Abid Nayeemuddin Dr.B.V.Arun Kumar	Python for Data Science	8 Weeks	July - August 2023
2	Dr.M.Siva Sathya narayana Dr.N.Ravi Sankara Reddy Dr.V.Anantha Lakshmi Dr.G.Venkata Subba Reddy	Solar Energy Engineering and Technology	12 Weeks	Jul - Oct 2023
3	Sri. S.Anil Kumar	Problem Solving Through Programming in C	12 Weeks	Jul - Oct 2023
4	Sri.B.Amarnath Naidu	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	Jul - Oct 2023

3. Faculty Publications:

International Journals					
S. No	Author	Title	Name of the Journal	Indexing	Month, Year
1	Dr.G.Kishor, Dr.M.Harsha vardhan Reddy, Dr. K.Sri Gowri, Dr.V.Anantha Lakshmi, Dr.G.Sreenivas Reddy	Comparison of Pulse Width Modulation Techniques for Diode – Clamped and Cascaded Multilevel Inverters	Engineering, Technology & Applied Science Research	ESCI	July 2023
2	Dr.N.Ravi Shankar Reddy, Sri. A. Pradeep kumar Yadav, Dr.Y.V.Siva Reddy, Dr.C.Hari krishna, Dr.C.Harinatha Reddy Dr.T.Brahma nanda Reddy	Estimation of Efficiency Techniques for Power Electronics through Hybrid Electric Vehicle Drive Trains	Journal of Research Administration	Scopus	Nov 2023

3	Dr.T.Brahmananda Reddy, Dr. N.Ravi shankar Reddy, Sri.A.Pradeep kumar Yadav, Dr. C.Harinatha Reddy, Dr.C. Hari krishna, Dr.Y.V.Siva Reddy	Design rule of swift Control Prototyping Systems for Power Electronics and Electrical Drives	Journal of Research Administration	Scopus	Nov 2023
4	Dr.C.Harinatha Reddy , Dr.Y.V. Siva Reddy , Dr.C Hari Krishna, Sri.A. Pradeep Kumar Yadav , Dr.T .Brahmananda Reddy , Dr.N. Ravi Shankar Reddy	High-Power Converter Based on the Wide Band Gap Power Semiconductor Devices For Electrical Drive	Journal of Harbin Engineering University	Scopus	December 2023
5	Sri.Meesala Venkateswarlu, Dr.G.Sateesh, Smt.P.Sujatha	Modified SPWM technique for single phase variable voltage nine level inverter for PV system	International Journal of Power Electronics and Drive Systems	Scopus	December 2023

International Conferences

S. No	Author	Title	Name of the Conference	Held at	Month, Year
1.	Sri. S. Anil Kumar, Dr. M.Siva Sathya Narayana Varma, Dr. G. Venkata Subba Reddy, Smt.G.Haritha, Dr.V.Anantha Lakshmi, Dr.G.Sreenivas Reddy	Load frequency control of multi area system using renewable energy source under deregulation environment	International conference on generic and pedagogical research evolutions in civil engineering and its allied sciences	GPREC, Kurnool	10-11-2023 & 11-11- 2023
2	Dr.B.V.Arun Kumar, Dr.V.Anantha Lakshmi, Dr. K.Sri Gowri, Dr.Y.Rama Mohan	Design of e-bicycle by using PMDC Motor- A prototype approach	International conference on generic and pedagogical research evolutions in civil engineering and its allied sciences	GPREC, Kurnool	10-11-2023 & 11-11- 2023

3	Sri.R.Rohit, Dr.G.Kishor	Performance evaluation of H4,H5 grid connected photovoltaic inverter based on total harmonic distortion	International conference on generic and pedagogical research evolutions in civil engineering and its allied sciences	GPREC, Kurnool	10-11-2023 & 11-11- 2023
4	Sri.R.Rohit, Dr.G.Kishor	Single phase Transformer less improved H6grid - connected photo voltaic inverter	International conference on generic and pedagogical research evolutions in civil engineering and its allied sciences	GPREC, Kurnool	10-11-2023 & 11-11- 2023
5	Sri.B.Amarnath Naidu, Dr.M.Siva Sathya Narayana Varma	A Fuzzy adaptive maximum power point tracking controller for photo voltaic module	International conference on generic and pedagogical research evolutions in civil engineering and its allied sciences	GPREC, Kurnool	10-11-2023 & 11-11- 2023
6	Dr.V.Anantha Lakshmi, Dr.B.V.Arun Kumar, Dr.Y.Rama Mohan, Smt.G.Haritha, Sri.S Anil Kumar	Multi quadrant action of VSI fed brushless dc (BLDC) motor drive using PID controller	International conference on generic and pedagogical research evolutions in civil engineering and its allied sciences	GPREC, Kurnool	10-11-2023 & 11-11- 2023

Book Chapters					
S. No	Author	Title	Name of the book	Publisher	Month, Year
1	Dr. Lokesh Kumar Agarwal, Dr. M.V.Ramana Rao, Dr.N.Ravi Shankar Reddy, Sandip Kumar Das	Electrical Technology	Electrical Technology	RK Publications	July, 2023
2	Dr.N.Ravi Shankar Reddy, Vikas Yadav, Dr.R.Sivanand, Mr.Sayed Mohammed	Control System Engineering	Control System Engineering	RK Publications	Dec,2023

4. Faculty Achievements:

- Dr. M. Nayeemuddin, Associate Professor of EEE Department received **Prof. R. Giri Rao Memorial Award** of Rs.10,000/- instituted by Sri CVS Murthy, Alumnus of 1984 – 88 ME Batch for the **Best Teacher** during the academic year 2022-23 on August 15th 2023.

5. New faculty Recruited:

S.No	Names of Faculty	Department	Designation	Qualification	Photo
1	Sri .K.Niteesh Kumar	EEE	Assistant Professor	M.Tech	
2	Sri A.Vijaya Kumar Reddy	EEE	Assistant Professor	M.Tech	

6. Up gradation of Lab Equipment:

S.No	Names of Laboratory	Equipment Name	Cost
1	Computer Lab 3 Robotics Lab Micro controller Lab	Lenovo Think center Neo 5 (60 Nos)	Rs 26,01,900/-
2	Power Electronics Lab	Current & Voltage Sensor Module(6 Nos)	Rs 63,000/-
3	Power Electronics Lab	Single Phase Full Bridge PWM inverter(2 Nos)	Rs18,000/-
4	Robotics Lab	Sensor & Actuator Training Platform (2 Nos)	Rs76800/-
5	Robotics Lab	Mechatronics Platform Sortex (2 Nos)	Rs1,34,400/-
6	Robotics Lab	Open Source Controller (4 Nos)	Rs30,720/-
7	Computer Lab	Delta 15KVA UPS	Rs 1,47,000

6. Student Achievements:

- N.Samiha Mahek (239X1A0256) of I B.Tech secured I Division in certificate in C Programming
At Council of SP Infotech Computers during July to September 2023.
- B Jaya Sumanth Goud(219X1A0259) of IV B.tech received Certificates in International Day of Sign Languages Quiz from 23-09-2023 to 02-12-2023 organized by NCERT, GOI.
- M. Lakshmi sai charitha (239X1A0216) of I B.tech received II prize in Singing - FESTIVE STORM - 2K23 organized by GPREC – CAD on 23-12-2023.
- G.Venkata Sushma (229X5A02C7) of III B.tech won 1st position in 1st Round in Kho-Kho Women South Zone, Central University of Tamilnadu, Thiruvavur, Tamilnadu from 26th -30th Dec 2023.
- K.Sreevani Ganapathi(229X5A02E0) of III B.tech won 1st position in 1st Round in Kho-Kho Women South Zone, Central University of Tamilnadu, Thiruvavur, Tamilnadu from 26th -30th Dec 2023.

DEPARTMENT OF MECHANICAL ENGINEERING

1. Events conducted/ organized:

- ✓ The GPREC IEI Students chapter of Mechanical Engineering department has conducted “Awareness and Interactive session on Higher Education in UK” by Dr. Kumar Patchigolla, Professor, Teesside University, UK for final year students on 24-08-2023 (Thursday)

2. Skill Up gradation Activities:

a. FDP /Workshops /Conferences /Seminars Attended by Faculty:

S. No	Name of Faculty	Title of the Event	Host Institute	Period
1	Dr. R. Meenkashi Reddy	A 5 day Faculty Development Program on “Design and Development of power converters for Electric Vehicles”.	JNTUACEA, Ananthapuramu	11-09-2023 to 13-09-2023
2	E. Siva Reddy	A Five Day Faculty Development Program on “Emerging Technologies in thermal energy production & storage”	Kumamoto University, Hyderabad.	13-09-2023 to 17-09-2023
3	E. Siva Reddy	A Four Day Training Program on “learning tracks on building thriving alumni communities, engagement strategies, mentor programs and fundraisin”	VAAVE	19-11-2023 to 23-11-2023

3. Faculty Publications:

Journals					
S. No	Author	Title	Name of the Journal	Indexing	Month, Year
1	P. Lakshmi Reddy,	Predicting the Thermal Performance of Screen Mesh wick heat pipe with alumina	International Journal on Interactive Design	Scopus	July 2023.

	Dr. B. Sreenivasa Reddy	Nanofluids using response surface methodology	& Manufacturing		
2	G. Venkatesh, R. Meenakshi Reddy	Endwall heat transfer in wedge channel with teardrop pin fins, circular fins and oblong pin fins	International Journal of Turbo Jet Eng	SCIE	July 2023.
3	B. Madhusudhan Reddy, Y.V. Mohan Reddy, G. Suresh Kumar	A study on mechanical, structural, morphological and thermal properties of raw and alkali treated Cordia dichotoma-polyester composite	Polymer Composites	SCIE	July 2023.
4	G. Praveen Kumar Yadav	Sustainable shape formation of multifunctional carbon fiber-reinforced polymer composites: A study on recent advancements	Mechanics of Advanced Materials and Structures	Scopus	September, 2023
5	G. Praveen Kumar Yadav	Performance evaluation of a thermal barrier coated ci engine using waste oil biodiesel blends	Renewable energy research and applications	SCIE	October, 2023
6	B. Madhusudhan Reddy	Effect of alkali treatment on mechanical properties and morphology of the balanities aegyptiaca composite	Institute of mechanical engineers	Scopus	November, 2023
Conferences					
S. No	Author	Title	Name of the Conference	Held at	Month, Year
1	B. Madhusudhan Reddy, R. Meenakshi Reddy, Y.V. Mohan Reddy,	Study of Compression, Hardness and Wear resistance properties of Cordia-Dichotoma Fiber Reinforced	International Conference on Generic and Pedagogical Research	GPREC	November 2023

	K. Madhava Reddy, P. Hari Sankar.	Epoxy Composites	Evolution in Civil Engineering and its allied sciences		
2	R. Meenakshi Reddy, B. Madhusudhan Reddy, K. Jayasimha Reddy, G. Venkatesh	Analysis of Solar Basin Still”, in International Conference on Generic and Pedagogical Research Evolution in Civil Engineering and its allied sciences	International Conference on Generic and Pedagogical Research Evolution in Civil Engineering and its allied sciences.	GPREC	November 2023
3	G. Praveen Kumar Yadav, R. Meenakshi Reddy, K. Jayasimha Reddy, G. Venkatesh, E. Siva Reddy	Lemongrass Biodiesel as a Fuel: Effects on CI Engine Performance and Exhaust Emissions	International Conference on Generic and Pedagogical Research Evolution in Civil Engineering and its allied sciences	GPREC	November 2023
4	Meenakshi Reddy. R, Krishna Reddy. K, Madhusudhan Reddy. B, E. Siva Reddy	Experimental Investigation on the Effect of water and nanofluids (Al ₂ O ₃ & MgO) as heat Transfer Fluid in TES System for Applications of Solar Heating	International Conference on Generic and Pedagogical Research Evolution in Civil Engineering and its allied sciences	GPREC	November 2023
5	E. Siva Reddy, R. Meenakshi Reddy, B. Madhusudhan Reddy, K. Jayasimha Reddy, G. Praveen Kumar Yadav	Efficiency enhancement of solar food dryer using exhaust gas passed in copper tubes with fins	International Conference on Generic and Pedagogical Research Evolution in Civil Engineering and its allied sciences	GPREC	November 2023

6	G. Venkatesh, R. Meenakshi Reddy, K. Jayasimha Reddy, G. Praveen Kumar Yadav, E. Siva Reddy	Generation of producer gas using coconut shells and sugarcane bagasse in updraft gasifier	International Conference on Generic and Pedagogical Research Evolution in Civil Engineering and its allied sciences	GPREC	November 2023
7	M. Nagaphani Sastry, T. Sowjanya, K. Devaki Devi	Driver behavior modelling for heterogeneous traffic conditions in urban areas	International Conference on Generic and Pedagogical Research Evolution in Civil Engineering and its allied sciences	GPREC	November 2023
8	G. Suresh Kumar, B. Madhusudhan Reddy, H. Raghavendra Rao, G. Shankaraiah, P. Hari Sankar	Water absorption, biodegradability and chemical resistance properties charactersisation of coir/hemp fibers based hybrid composite	International Conference on Generic and Pedagogical Research Evolution in Civil Engineering and its allied sciences	GPREC	November 2023
9	H. Raghavendra Rao, G. Shankaraiah, P. Hari Sankar	Mechanical properties and SEM analysis of aegle marmelos composite fiber”, in International Conference on Generic and Pedagogical Research Evolution in Civil Engineering and its allied sciences	International Conference on Generic and Pedagogical Research Evolution in Civil Engineering and its allied sciences	GPREC	November 2023

10	Doni Mohana Krishnudu, R. Sai Kumar Reddy	A study of NaCl alkali treated muntingia calaura fibre reinforced composites	International Conference on Generic and Pedagogical Research Evolution in Civil Engineering and its allied sciences	GPREC	November 2023
11	G.S. Guru Dattatreya, R. Meenakshi Reddy, M. Lava Kumar,	Experimental investigation on performance characteristics of diesel engine by charging piston geometry	International Conference on Generic and Pedagogical Research Evolution in Civil Engineering and its allied sciences	GPREC	November 2023
12	M. Murali Mohan, Dr. E. Venugopal Goud, Dr. M.L.S. Deva Kumar, G. Praveen Kumar Yadav	Multi Objective Optimization of machining parameters in turning aluminium 7075 hybrid metal matrix composites using Response Surface Methodology	International Conference on Generic and Pedagogical Research Evolution in Civil Engineering and its allied sciences	GPREC	November 2023
13	K. Jayasimha Reddy	Fluid mechanics and fluid power, RCCI engine performance and emissions with hydrogen and diesel as fuels	50 th National conference on Fluid mechanics and Fluid Power	IIT Jodhpur	December 2023

1. Workshops /Conferences /seminars attended by students:

S.No	Name of the Student	Workshop/Conference /Seminar attended	Venue (Organizing Institution)	Period
1	<u>26 students of ME</u>	Internal Hackathon 2023	G Pulla Reddy Engineering College, Kurnool	27-09-2023
2	<u>10 students</u>	PALS TUTR HYPERLOOP hackathon	PALS (an Alumni of IIT)	11-9-2023
3	<u>20 students of ME</u>	ART OF PITCHING THROUGH IMPACTFUL VIDEO MAKING FOR INNOVATORS AND ENTREPRENEURS	center for innovation and entrepreneurship (CIE) of G. Pulla Reddy Engineering College, Kurnool	26-10-2023 to 28-10-2023

3. Student Achievements:

- ✓ Two students from B.Tech VI Sem Mechanical Engineering completed their nternship in IIT Mandi.
- ✓ M Bhanu kiran reddy Roll no: 219X5A03D1 of IV year Mechanical engineering department won 1st prize in PALS TUTR HYPERLOOP hackathon organized by PALS (an Alumni of IIT) on 11-9-2023.

DEPARTMENT OF HUMANITIES & BASIC SCIENCES

1. Skill Upgradation Activities:

a. FDP /Workshops /Conferences /Seminars Attended by Faculty:

S. No	Name of Faculty	Title of the Event	Host Institute	Period
1	Dr. K. Subhashini	Two Day International Virtual Conference on “ELT in India: Tradition Vs Innovation”	BVRIT, Hyderabad	06-07-2023 to 07-07-2023
2	Dr. Nasreen Noor	Two Day International Virtual Conference on “ELT in India: Tradition Vs Innovation”	BVRIT, Hyderabad	06-07-2023 to 07-07-2023
3	Smt. B. Munilakshmi	Two Day International Virtual Conference on “ELT in India: Tradition Vs Innovation”	BVRIT, Hyderabad	06-07-2023 to 07-07-2023
4	Sri. Y. Venkata Siva Kumar	Two Day International Virtual Conference on “ELT in India: Tradition Vs Innovation”	BVRIT, Hyderabad	06-07-2023 to 07-07-2023
5	Ms. A. Sri Nidhi	Two Day International Virtual Conference on “ELT in India: Tradition Vs Innovation”	BVRIT, Hyderabad	06-07-2023 to 07-07-2023
6	Mr. K. Nagaiah	Two Day International Virtual Conference on “ELT in India: Tradition Vs Innovation”	BVRIT, Hyderabad	06-07-2023 to 07-07-2023
7	Smt. G. Pushpa Latha	Two Day International Virtual Conference on “ELT in India: Tradition Vs Innovation”	BVRIT, Hyderabad	06-07-2023 to 07-07-2023
8	Dr. T. Satya	7-day National level online FDP on Chat GPT & AI Tools for Educators, in-line with OBE	St. Joseph College, Kerala	19-07-2023 to 26-07-2023
9	Sri. A. Ganesh	Ten-day FDP on “A national level professional development	Seshadripuram Academy of	09-08-2023 to 19-

		programme” on the topic “Research Methodology & Data Analysis”	Business Studies, Kengeri Satellite Town, Bengaluru	08-2023
10	Dr.Nasreen Noor	Course on Business English: Basics	Courseera: The Hong Kong University of Science and Technology	07-07-2023 to 07- 07-2023
11	Dr.Nasreen Noor	Course on Grammar and Punctuation	Courseera: UCI Division of continuing Education	03-07-2023 to 03- 07-2023
12	Smt. B. Munilakshmi	Course on Business English: Networking	Courseera: UCI Division of continuing Education	19-07-2023 to 19- 07-2023
13	Smt. B. Munilakshmi	Course on Advanced Writing	Courseera: UCI Division of continuing Education	23-07-2023 to 23- 07-2023
14	Dr. P. Pavan Kumar	FDP on Virtual Labs	Virtual Lab. NITK Surathkal	26-09-2023 to 29- 09-2023
15	Dr. P. Pavan Kumar	FDP on Introduction to Artificial Intelligence	NI LabVIEW Academy	09-10-2023 to 14- 10-2023
16	Dr. E. Kiran Babu	FDP on Introduction to artificial intelligence	GPREC	09-10-2023 to 14- 10-2023
17	Dr. V. Rangaveni	9 th Conference on Transportation systems Engineering and Management (CTSEM-2023)	NIT, Warangal	12-10-2023 to 14- 10-2023
18	Smt. P. Vasundhara Reddy	Three day workshop on Research methodology, and publication ethics, organized by research & innovation wing	Mohan Babu University, Tirupati	20-10-2023 to 22- 10-2023

b. NPTEL/NITTT/Other Certification course Completed by Faculty:

NPTEL Course				
S. No	Name of Faculty	Name of The Course	Duration	Period (Month - Month, Year)
1	Dr. Nasreen Noor	Developing Soft Skills and Personality	8 Week	July-Sep, 2023
2	Sri A. Ganesh	Nanotechnology, Science and Applications	8 Week	July-Sep, 2023
3	Dr. E. Kiran Babu	Foundations of R Software	12 Week	July-Oct, 2023
4	Dr. S. Sailaja	Introduction to laser	12 Week	Jul-Oct, 2023
5	Smt. E. Nirmala Devi	Introduction to laser	12 Week	Jul-Oct, 2023
6	Dr. K. Subhashini	Gender and literature	8 Week	Aug-Oct, 2023
7	Sri Kurudi Suresh	Research Methodology	8 Week	Aug-Oct, 2023
8	Sri. G. Venkata Rami Reddy	Research Methodology	8 Week	Aug-Oct, 2023
9	Sri G. Siddesh Babu	Research Methodology	8 Week	Aug-Oct, 2023
10	Smt. Shahina Nikhath	Research Methodology	8 Week	Aug-Oct, 2023
11	Sri A. Ganesh	Research Methodology	8 Week	Aug-Oct, 2023
12	Ms. A. Sri Nidhi	Research Methodology	8 Week	Aug-Oct, 2023
13	Smt. G. Pushpa Latha	Research Methodology	8 Week	Aug-Oct, 2023
14	Smt. G. Pushpalatha	Gender and Literature	8 Week	Aug-Oct, 2023
15	Dr. M. Siva Shankar Reddy	Introduction to Methods of Applied Mathematics	12 Week	Jul-Oct, 2023
16	Dr. E. Kiran Babu	Foundation of R Software	12 Week	Jul-Oct, 2023
17	Dr. T. Satya	Analytical Chemistry	12 Week	July-Oct, 2023
18	Sri. K. Raghavendra	Matrix Computation and its Applications	12 Week	July-Oct, 2023
19	Dr. M. Siva Shankar Reddy	Accreditation and Outcome-Based Learning	8 Week	June-Dec, 2023

2. Faculty Publications:

Journals					
S. No	Author	Title	Name of the Journal	Indexing	Month, Year
1	Dr. T. Satya	Influence of doping concentrations of Hf on structural and electrical properties of $\text{Hf}_x\text{Zn}_{1-x}\text{O}$ thin films	Journal of Ovonic Research	SCIE	Aug, 2023
2	Dr. A. Pedda Lingaswamy	Spectroscopic Investigation on Dy^{3+} ions in borate Glasses for Photonic Applications	Journal of Materials Science	SCIE	Aug, 2023
3	Dr. K. Aparna, Smt. G. Pushpalatha, Smt. B. Munilakshmi	News Paper-An Act Instrument To Facilitate Teaching Learning Process	Journal of Advanced Zoology	-	Dec, 2023
4	Dr. K. Subhashini	Alternative derivations in (1,1) rings	Journal of Advanced Zoology	-	December, 2023
Book					
S. No	Author	Title	Name of the book	Publisher	Month, Year
1.	Dr A. Pedda Lingaswamy	Atmospheric trace gases chemistry Transport and modelling over the semi-arid region, India	Atmospheric trace gases chemistry Transport and modelling over the semi-arid region, India	Book Rivers	Nov, 2023

New faculty Recruited:

S. No	Names of Faculty	Department	Designation	Qualification	Photo
1	Smt. Lakshmi Prasanna	H&BS	Assistant Professor	M. Sc	

EXTRA ACADEMIC ACTIVITIES

Bhuvanavijayam

S.No.	Name of the Event	Dates	No. students participated
1	Student Induction Program for the Second Year Lateral Entry Students-2023	19-08-2023	100
2	Student Induction program for the 1 st year Students admitted in AY 2023-24	11-09-2023 to 13-09-2023	700
3	Essay Writing Competition	27-09-2023	10
4	Random Things-2	28-10-2023	80
5	Road Safety and Voter Awareness	04-11-2023	650
6	Quiz Time	11-11-2023	90
7	Pusthaka Parichayam-Literary Event	02-12-2023	550
8	Prevention of Sexual harassment at work Place	09-12-2023	180
9	Festive Storm- 2K23	13-12-2023 to 23-12-2023	800

Centre for Awareness and Discussions (CAD)

S. No.	Name of the Event	Held on	No. of students participated
1	Group Discussion	3-10-2023	45
2	Awareness programme on Chandrayan-3	9-10-2023	130
3	Awareness programme on Personality Development	10-10-2023	85
4	Quiz	28-10-2023	80
5	Awareness talk on Road Safety and Voter Awareness	04-11-2023	350
6	Group Discussion	07-11-2023	55
7	Quiz	11-11-2023	70
8	Guest lecture on National Education Policy	14-11-2023	95
9	Awareness on Prevention of Sexual Harassment at Workplace	09-12-2023	150
10	Awareness program on Waste Management and Innovation Solutions, Save Nature	12-12-2023	176
11	Art Contest	13-12-2023	45
12	Debate	14-12-2023	54
13	JAM	20-12-2023	59
14	Story Narration	22-12-2023	41

EXTENSION ACTIVITY

S.No.	Name of the Event	Dates	No. students participated
1	Career opportunities for Electronics	29-08-2023	174
2	Impact of Mobile on Education	3-10-2023	45
3	Awareness programme on Chandrayan-3	9-10-2023	130
4	Awareness programme on Personality Development	10-10-2023	85
5	Road Safety and Voter Awareness	04-11-2023	650
6	Group discussion on current issues	07-11-2023	55
7	National Education Policy-2020	14-11-2023	95
8	National Education Policy-2020	28-11-2023	50
9	Waste management and Innovation Solutions	12-12-2023	176
10	Save Nature	12-12-2023	176
11	Sustainable Development and Green Engineering	19-12-2023	110
12	Participated in Blood Donation camp	21-12-2023	105

NSS ACTIVITY

S. No.	Name of the Event	Held on	No. of students participated
1	Competitions on the occasion of Independence Day. Events conducted: 1. Essay writing (Telugu and English) 2. Elocution (Telugu and English) 3. Singing – patriotic	26-07-2023 25-07-2023 27-07-2023	66
2	Induction program for the second year lateral entry students. Sri Lingam Sreenivasulu, Vibhag Pramukh, Seva Bharathi enlightened the students.	26-08-2023	50
3	Independence Day celebrations	15-08-2023	500

4	One-week induction program for the first year students	7-09-2023 to 13-09-2023	1100
5	Eco-friendly Ganesh Clay idol making competition	15-09-2023	150
6	Eco-friendly Ganesh Clay idol distribution	16-09-2023	25
7	VSC volunteers participated in Ganesh Nimajjan on 26 th September 2023	26-09-2023	30
8	World Space Week 2023 celebrations	04-10-2023 to 08-10-2023	25
9	Elocution and essay writing competitions on the Theme: Say No to Corruption and Commit to the Nation) were conducted as a part of Vigilance Awareness Week to be observed during 30 th October to 4 th November.	30-10-2023	50
10	Awareness talks on the topics 'Road Safety' by Sri Ramesh, District Transport Officer, and 'Voter Enrolment and Vmportance of voting' by Sri Hari Prasad, RDO.	04-11-2023	500
11	On the auspicious occasion of 'Karthika Pournami" VSC volunteers rendered their services to Karthika Deepotsavam, at Vinayaka Ghat, Kurnool.	26-11-2023	35
12	Awareness talk on "World Antimicrobial Awareness Week - Hepatitis B Virus Awareness" by Dr. K. Srinivas, Professor and Head, Department of microbiology, Government Medical College, Nandyal.	28-11-2023	200

Vivekananda Study Circle

S. No.	Name of the Event	Held on	No. of students participated
1	Khadi Mahotsav	28-10-2023	200
2	Rastreeya Ekta Diwas	31-10-2023	220
3	Meri Mati Meri Desh conclusion program(Online)	31-10-2023	50
4	Road Safety Rules program (RTO)	04-11-2023	200

5	NEP-2020 awareness program	11-11-2023	200
6	Constitution Day	27-11-2023	50
7	Talk on “Prevention of Sexual Harassment at Workplace”	09-12-2023	200

WOMEN’S CELL

S. No.	Name of the Event	Held on	No. of students participated
1	Webinar on “How to manage Digital Stress” by Dr. Sreenivas	23-08- 2023	50
2	Orientation sessions on “Gender Sensitization” as part of Induction program for the first year students.	7-09-2023 to 13-09- 2023	All first year students
3	World Space Week celebrations in collaboration with other student forums of college.	4-10-2023 to 8-10-2023	All students in and out of the college.
4	A talk on “Enabling Eco System for Women” by Smt. Bharathi Ghosh, Ex. IPS & W20 representative.	3-11- 2023	500
5	Bike rally on account of Jhansi Jayanthi in collaboration with Durga Vahini, Kurnool.	18-11- 2023	20 volunteers
6	Volunteer training program	09-12-2023	25
7	Technical awareness Program for the students of Saraswathi Sisumandir and Vignana Peetham, Kurnool	19-12-2023 to 20-12-2023	50

Yoga and Meditation Cell

S. No.	Name of the Event	Held on	No. of students participated
1	Yoga and Meditation classes were conducted for the first year students as part of induction program	7-09-2023 to 13-09- 2023	All first year students
2	Yoga and Meditation of GPREC conducted Seminar on INTRODUCTION TO YOGA by Dr. NAYEEMUDDIN, Associate Professor	28-10-23	500
3	Yoga and meditation practice at Amphi theatre, GPREC	11-11-2023	120
4	Yoga and meditation practice at Amphi theatre, GPREC	16-12-2023	90
5.	Yoga and meditation practice at Amphi theatre, GPREC	30-12-2023	200

Games & Sports

Students represented for JNTUA Inter University Tournaments:

S.No.	Name of the Student	Year	Branch	Roll No.	Event
1.	Ms. Giriappagari Naga Sowgandhi	IV	CSE	209X1A05b0	Fencing (W)
2.	Ms. Ganji Varsha	II	ECE	229X1A0431	Basketball (W)
3.	Mr. Putluru Sai Nishanth Reddy	IV	ECE	209X1A04E3	Basketball (M)
4.	Mr. S. Bhavani Prasad	III	ME	219X1A0384	Hockey (M)
5.	Ms. Gutam Venkata Sushma	III	EEE	229X5A02C7	Kho-Kho (W)
6.	Ms. K. Sreevani Ganapathi	III	EEE	229X5A02E0	Kho-Kho (W)
7.	Mr. Boya Raja Shekar	II	ME	239X5A03A8	Kho-Kho (M)
8.	Ms. R. Likitha Sai	III	CSBS	219X1A2929	Volleyball (W)
9.	Mr. Muppasani Sumanth Raj	IV	ME	209X1A03A7	Volleyball (M)
10.	Ms. T. Sravani	III	CSM	219X1A3338	Badminton (W)
11.	Mr. Ambati Pranay	II	ECE	229X1A0432	Badminton (M)
12.	Mr. C. Sagar	III	ME	219X1A0329	Cricket (M)

Center for Innovation and Entrepreneurship (CIE)

S. No.	Name of the activity	Held on (Date)	No. of Participants
1.	Bootcamp on Drone Technologies in Association with IIIT-DM Kurnool	3/7/23 to 7/7/23	116
2.	Interaction with Faculty	06/08/2023	20
3.	Interaction with faculty and Visit to Incubation Centre	13 August,2023	45
4.	Smart India Hackathon (Internal)	27/9/23	288
5.	Two-Day Workshop on Art of Pitching through Impactful Video Making for Innovators and Entrepreneurs	26/10/23 & 27/10/23	300
6.	One-Day Workshop on Design Thinking	28/10/23	250

CODERS CLUB

S. No.	Name of the activity	Held on (Date)
1.	BITS Hyderabad Campus Visit	22-07-2023

2.	Smart India Internal Hackathon (10.00AM to 4.00PM)	27-09-2023
3.	IBM Hackathon winners Interaction	13-10-2023
4.	Codex-2023 awareness program	14-11-2023
5.	Codex-2023 Round-1 assessment	20-11-2023
6.	Assessment for the students applied for the GPREC-IIC internship program	24-11-2023
7.	Interviews for the students, who qualified the GPREC-IIC internship assessment.	27-11-2023
8.	Codex-2023 Round-2 assessment	04-12-2023
9.	PALS Residential Student Workshop	12-12-2024 To 14-12-2024
10.	Coding Meme Context	26-12-2023 To 31-12-2023

COMPUTER SOCIETY OF INDIA (CSI)

S. No.	Name of the activity	Held on (Date)	No. of Participants
1.	Tech Pictionary	02-11-2023	53
2.	Quizmania	16-11-2023	50
3.	Wonder words	18-11-2023	46
4.	Identity Quest	30-11-2023	59
5.	Technical Quiz	05-12-2023	32
6.	Debate on impacts of technology	06-12-2023	54
7.	Riddle Code Quest	07-12-2023	56
8.	Techfun	09-12-2023	48
9.	Seekers Challenge	12-12-2023	48
10.	Apti Challenge	14-12-2023	55
11.	Fun Fest	18-12-2023	52
12.	Tech Trivia Quiz	19-12-2023	48

ENGLISH CLUB

S. No.	Name of the activity	Held on (Date)	No. of Participants
1.	Movie Screening - I (Moana)	9 th October 2023	36
2.	DEBATE - WAR OF WORDS	19 th October & 6 th November 2023	88 213

3.	Movie Screening - II (Ratatouille)	4 th November 2023	27
4.	Book Reading (Malgudi Days)	9 th December 2023	18
5.	Movie Screening - III (How to Train your Dragon)	23 rd December 2023	38

Indian Society for Technical Education ISTE

S. No.	Name of the activity	Held on (Date)	No. of Participants
1.	Quizwhiz Wonders	02.11.2023	143
2.	Logomania	9.11.2023	46
3.	Decipher the riddles	9.12.2023	54
4.	Sketch the Description	14.12.2023	30
5.	Career Guidance to X class students Venue: Saraswathi Sishumandir, GPR Nagar, Kurnool	23.12.2023	59



On **5 August 2023**, the statue of the Founder Chairman, Sri G. Pulla Reddy, was unveiled at G. Pulla Reddy Government Polytechnic College, Kurnool, in a solemn ceremony attended by the management, faculty, staff, students, and distinguished guests.



On **4 August 2023**, G. Pulla Reddy Engineering College entered into a Memorandum of Understanding (MoU) with Adventure in Science India to promote collaborative academic, research, and innovation initiatives for the benefit of students and faculty.

Student Editorial and Design Team

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S. Abdhul kalam, VII Semester, CSBS (ECS)

B Pranithasindhu, VII Semester, EEE

S M Asaduddin, V Semester, ME



On **16 August 2023**, GPREC students prepared eco-friendly clay Ganesh idols and distributed them to faculty members and interested members of the public in and around Kurnool to promote environmental awareness and encourage sustainable celebrations of Ganesh Chaturthi.



On **5 August 2023**, an Orientation Programme was organized for the first-year students of the Civil Engineering (CE), Mechanical Engineering (ME), Electrical and Electronics Engineering (EEE), Electronics and Communication Engineering (ECE), Computer Science and Engineering (CSE), Computer Science and Engineering (Artificial Intelligence and Machine Learning) (CSM), and Computer Science and Engineering (Data Science) (CSD) programmes to familiarize them with the institution's academic environment, academic regulations, facilities, and student support services.